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CLAIM AMENDMENTS:

Claim 1 (Currently Amended): A semiconductor device, comprising: a channel region of a first conductivity provided in a surface of a semiconductor substrate;

a source region of a second conductivity different from the first conductivity, the source region being provided on an edge of a trench which extends through the channel region;

a gate oxide film provided on an interior wall of the trench; and
a gate electrode provided in the trench in opposed relation to the channel
region with the intervention of the gate oxide film;

wherein the interior wall of the trench includes a first interior side surface having a (100) plane orientation, and a second interior side surface having a plane orientation different from the plane orientation of the first interior side surface:

wherein the source region is disposed away from a portion of the gate oxide film provided on the second interior side surface; and

wherein the trench includes a plurality of trench portions extending parallel to each other along the first interior side surface in the surface of the semiconductor substrate; and

a lower resistance region of the first conductivity extending longitudinally of the trench portions and intervening between the second interior side surface and

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the source region, the lower resistance region being imparted with a lower

resistance by introduction of an impurity.

Claim 2 (Currently Amended): The A semiconductor device as set forth in

claim 1, wherein the interior wall of the trench further include a bottom surface

having a major plane orientation with a higher areal atom density than the first

interior side surface. surface

Claim 3 (Currently Amended): The A semiconductor device as set forth in

claim 2, wherein the surface of the semiconductor substrate has a plane

orientation with a greater areal atom density than the surface having the (100)

plane orientation.

Claim 4 (Currently Amended): The A semiconductor device as set forth in

claim 2, wherein the surface of the semiconductor substrate has a (110) plane

orientation.

Claim 5 (Canceled).

Claim 6 (Currently Amended): The A semiconductor device as set forth in

claim 1, wherein the first interior side surface has a greater length as measured

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along the surface of the semiconductor substrate than the second interior side surface.